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=> s protolamellar or proto-lamellar or (proto lamellar)

1 PROTOLAMELLAR

12467 PROTO

31042 LAMELLAR

0 PROTO-LAMELLAR

(PROTO(W) LAMELLAR)

12467 PROTO

31042 LAMELLAR

0 PROTO LAMELLAR

(PROTO(W) LAMELLAR)

L1 1 PROTOLAMELLAR OR PROTO-LAMELLAR OR (PROTO LAMELLAR)

=> d bib,ab

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:265547 CAPLUS

DN 134:300625

TI Structured surfactant systems for suspending pearling concentrates into liquid compositions

IN Hatchman, Kevan; Crombie, Richard Llewelyn; Hawkins, John

PA Albright and Wilson Surfact, UK

SO PCT Int. Appl., 10 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2001025378	A2	20010412	WO 2000-EP9677	20001004

WO 2001025378 A3 20020502

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2386532 AA 20010412 CA 2000-2386532 20001004

AU 2001010212 A5 20010510 AU 2001-10212 20001004

EP 1267824 A2 20030102 EP 2000-971316 20001004

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL

JP 2003511391 T2 20030325 JP 2001-528534 20001004

TW 527419 B 20030411 TW 2000-89123977 20001113

PRAI GB 1999-23593 A 19991007

WO 2000-EP9677 W 20001004

AB The **protolamellar** aqueous surfactants (a disk micellar, optically isotropic phase which exhibits transient anisotropy under stress) are useful for suspending pearling concs. into liquid compns. such as shampoos and toiletries. The suspension comprises a **protolamellar** aqueous surfactant (such ethylene glycol C10-18 alkyl ether sulfate, alkali metal, ammonium or C1-6 amine salt), and suspended particles (such as, ethylene glycol mono- or distearate). Thus, a pearliser suspension comprising Empicol ESB 70 (sodium laureth-2 sulfate) 34.3, Empilan EGDS/A (ethylene glycol distearate) 20, sodium chloride 3 parts, preservative and water balanced showed viscosity at 25° <20,000 cps, solids 46-48% and d. at 20° 0.95-1.05 g/cm3.